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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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Calcutta, the 15th July 1995

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Calcutta-700020.

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एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 15 जुलाई 1995

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित है :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोअर परेल (पश्चिम),
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य
क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा
दीव एवं दादरा और नगर हवेली ।

तार पता—"पेटोफिस"

पेटेंट कार्यालय शाखा,
एनेक्स में 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—"पेटेंटोफिक"

पेटेंट कार्यालय शाखा,
61, वालाजाह रोड,
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,
मिनिकाय तथा एमिनिदिवि द्वीप ।

तार पता—"पेटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—"पेटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय की तिथि उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है ।

APPLICATION FOR PATENT FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent bracket are the date claimed under section 135, of the Patent Act, 1970.

18-05-1995

555/Cal/95. Trutzschler GmbH & Co. Kg. Device at a carding machine, especially for cotton, chemical fibre and similar thing. (Convention No. P4418377.1; filed on 26-5-94; Germany).

556/Cal/95. Indraiit Dasgupta. Solar mass communication media Module.

557/Cal/95. Eli Lilly and Company. Heterocyclic tachykinin receptor antagonists. (Convention No. 08/271, 708; filed on 12-7-94; U.S.A.).

19-05-1995

558/Cal/95. EMS-INVENTA AG. Filter for polymer solutions and polymer melts.

559/Cal/95. Ivax Industries, Inc. Method of creating a stonewashed appearance in wet-processed fabrics while reducing dye redeposition.

560/Cal/95. Motive Holdings Limited. Variable valve lift mechanism for internal combustion engine. (Cosvention No. 08/246, 274; filed on 19-05-94; U.S.A.).

561/Cal/95. Siemens Aktiengesellschaft. Process and apparatus for producing a tension-Resistant core element for a cable (Convention No. P4421184.8; filed on 17-6-94; In Germany).

562/Cal/95. Hoechst Aktiengesellschaft. Prevention of fabric hand harshening on printing or dveing cellulosic textiles. (Convention No. P4419533.8; filed on 3-6-94; Germany).

22-05-1995

563/Cal/95. R. K. Dutta. A Multi-Functional Casting apparatus.

564/Cal/95. Pravat Kumar Mukherjee. A Proces of preparation of water purifier from Moringa Pterygosperma.

565/Cal/95. Westinghouse Electric Corporatoin. Amorphous metal tagging system for underground structures. (Convention No. 08/248, 905; filed on 25-5-94; U.S.A.).

566/Cal/95. E.I. Du Pont De Nemours and Company. Preparation of triarylborane. (Convention No. 08/264, 275; filed on 23-6-94; U.S.A.).

567/Cal/95. General Electric Company. Electrically propelled golf car. (Convention No. 08/333, 550; filed on 2-11-94; U.S.A.).

22-05-1995

568/Cal/95. Siemens Medical Systems, Inc. Multi-Beam digital beamforming method and apparatus. (Convention No. 08/270, 868; filed on 5-7-94; In U.S.A.).

569/Cal/95. Fleetguard Inc. Fluid filter assembly for vehicles. (Convention No. 08/250, 593; filed on 27-5-94; U.S.A.).

570/Cal/95. Siemens Medical Systems, Inc. Angle Independent Doppler in ultrasound imaging. (Convention No. 08/261, 506; filed on 17-6-94; In U.S.A.).

571/Cal/95. Swil Limited. Wire electrode for electro-discharge machining and method of manufacturing same.

572/Cal/95. Midrex International B.V. Circulating Fluidizable bed co-processing of fines in a direct reduction system. (Convention No. 08/289, 707; filed on 12-08-94; In U.S.A.).

573/Cal/95. Danieli & C. Officine Meccaniche spa. Method for the continuous casting of high-carbon steels. (Convention No. UD94A000091; filed on 30-05-94; In Italy).

574/Cal/95. Danieli & C. Officine Meccaniche SpA. Method for the continuous casting of peritectic steels. (Convention No. UD94A000090; on 30-05-94; Italy).

575/Cal/95. American cyanamid company. Suspension concentrate compositions of arylpyrrole insecticidal and acaricidal agents.

576/Cal/95. Herding GmbH. A filter element having a fibrous coating and methods for producing it. (Convention No. P4418033.0; filed on 24-5-94; Germany).

577/Cal/95. Envirex Inc. Rotating contactor including cross flow media for the biological treatment of waste water. (Convention No. 257379; on 09-06-94; in U.S.A.

23-05-1995

578/Cal/95. Bihari Lal Agarwal. Scientific Consistometer.

579/Cal/95. Mrs. Punam Agarwal and Sri Bihari Lal Agarwal, Digital Softometer.

580/Cal/95. Korea Institute of Science and Techology. Cephalosporin compounds and processes for the preparation thereof.

581/Cal/95. Sydkraft AB. Method and device for anaerobic breakdown of organic waste.

582/Cal/95. Siddhartha Bose. An audio/visual electronic presentation Device.

ALTERATION OF DATE UNDER SECTION 16

175620 Filed on 23-01-91.

(958/Del/88) Ante-dated to 07-11-88.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of Patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian classification and International Classification.

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र-14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व का उपर्युक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।"

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है); फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Cl.: 172 175581

Int. Cl.[4] : D 01 G 15/14.

A DEVICE IN A CARDING MACHINE, CLEANING MACHINE AND THE LIKE.

Applicant: TRUTZSCHLER GMBH & CO. KG. OF DUVENSTR. 82-92, D-4050 MONCHENGLADBACH 3, WEST GERMANY.

Inventor: KONRAD TEMBURG.

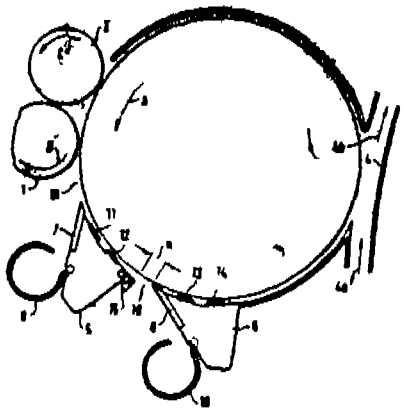
Application No. 23/Cal/1990; filed on 05th January 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972). Patent Office, Calcutta.

16 Claims

A device in a carding machine, cleaning machine and the like for cotton fibres comprising atleast one carrier element allocated along a part of the periphery of the roller of said machine, said carrier element having cleaning and/or carding elements such as herein described and having recesses formed thereon to variably set and hold the position of each of said cleaning and carding elements with respect to the roller periphery and/or with respect to the other cleaning and carding elements independent of one another.

FIG. 1



(Compl. Specn. 13 pages; Drgns. 5 sheets)

Cl.: 172 F, D, 8; 34 A. 175582

Int. Cl.: D 01 D 4/02, 4/06, 4/08.

APPARATUS FOR SPINNING THERMOPLASTIC MELTS.

Applicant: KARL FISCHER INDUSTRIEANLAGEN GMBH OF HOLZHAUSER STRASSE 159 D-1000 BERLIN 27 FEDERAL REPUBLIC OF GERMANY.

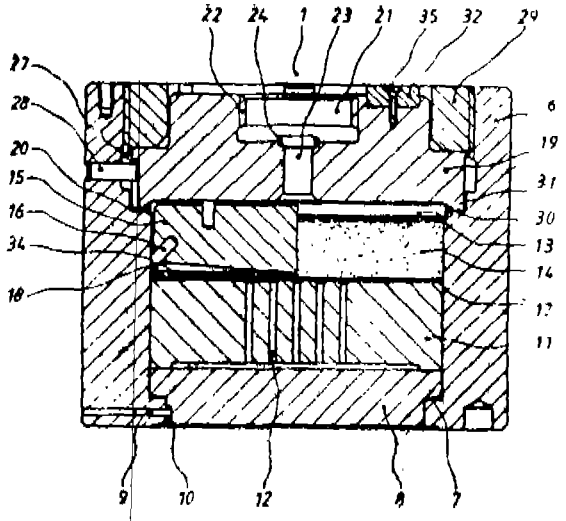
Inventor: MR. KLAUS SCHRODER.

Application No. 199/Cal/1990; filed on 08th March 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

6 Claims

Apparatus for spinning thermoplastic melts with a spinning head which has a pump block provided with a melt line and a spinning pack received in a heating box, the spinning pack being screwed by means of a connecting piece to the pump part and having a nozzle received in a casing, a support plate and a filter unit and a pressure plate provided with a melt channel is positioned at a distance from the filter unit and with an after-heater connected downstream of the spinning head and provided with a following blowing unit, characterised in that the pressure plate (19) rests on a step (20) in casing (6) and is fixed by a thrust collar (29) provided with an external thread which is screwed to the casing (6) and that the pressure plate (19) has a blind bore (21) provided with an internal thread (22) and which can be screwed onto a shoulder (33) of connecting piece (26) provided with an external thread.



(Compl. Specn. 9 pages; Drgns. 2 sheets)

Cl.: 145 B 175583

Int. Cl.: B 65 H 18/26, 37/00.

APPARATUS FOR MONITORING PAPER ROLL DENSITY.

Applicant: BELOIT CORPORATION, OF 1 ST. LAWRENCE AVE, BELOIT, WISCONSIN 53511, UNITED STATES OF AMERICA.

Inventor: SCOTT ALLEN BAUM.

Application No. 321/Cal/90 filed on 18th April 1990.

Appropriate Office for Opposition Proceedings Rule 4, Patent Rule 1972), Patent Office, Calcutta.

5 Claims

Apparatus for monitoring paper roll density having a computer which is programmed to compute paper web density, in response to an interrupt signal, of a paper roll from angular rotation of the roll as a web of paper is unwound from an unwind roll engaged and guided by a center drum and wound as atleast one web of paper roll on atleast one windup characterised in that it has a first encoder coupled to the center drum and operating to produce first pulses upon each revolution of the center drum; first counting means connected to said computer and to said first encoder for counting said pulses and producing an interrupt signal for the computer each time said first counting means reaches a predetermined count; atleast one second encoder coupled to the said atleast one windup roll and operating to produce second pulses upon each revolution of the said windup roll; atleast said second counting means connected to said first counting means and to said second encoder, a said second counting means counting said second pulses and being reset through a decision circuit of the first counting means upon occurence of the interrupt pulses; and a register connected to said second counting means for storing the current count thereof upon occurrence

of an interrupt signal and connected to the computer to be read after the occurrence of an interrupt signal.

FIG. 2

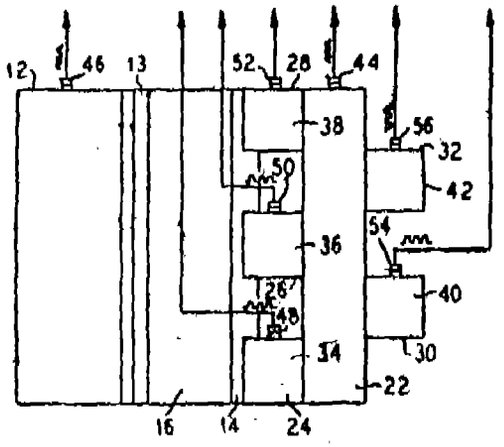
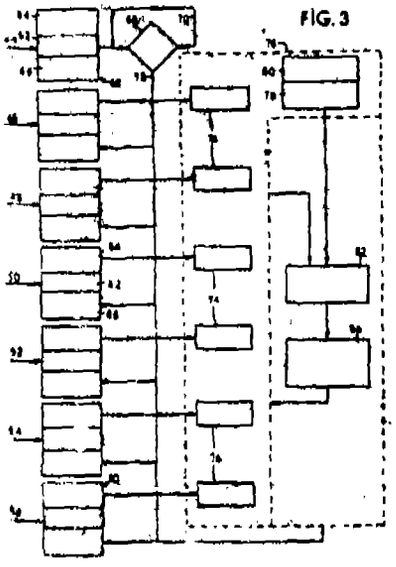


FIG. 3



(Compl. Specn. 19 pages; Drgns. 2 sheets)

Cl.: 33-A & 97-E. 175584

Int. Cl.4 : H 05 B 6/02, 6/06, 6/08, 6/10, 6/36, 6/40, 6/42.

APPARATUS FOR INDUCTION MELTING OF METALS WITHOUT CONTAINER FOR PRODUCTION OF METAL CASTINGS.

Application : INDUCTOTHERM CORP. OF 10 INDEL AVENUE, RANCOCAS, NEW JERSEY, 08073, UNITED STATES OF AMERICA.

Inventors :

(1) NAGY H.

(2) THOMAS S. PIWONKA.

(3) JOHN T. BERRY.

Application No. 363/Cal/1990; filed on 02nd May 1990.

26 Claims

Apparatus for inductively melting a quantity of metal without a container, for producing metal castings characterized by :

an induction coil having a pulrality of turns defining a volume for receiving a quantity of metal, the induction coil being adapted to exert an electromagnetic force on the metal which increases toward the bottom portion of the metal;

means for energizing the coil;

a support means for supporting the metal from below and having an opening therethrough; and

means for maintaining the support means at a preselected temperature.

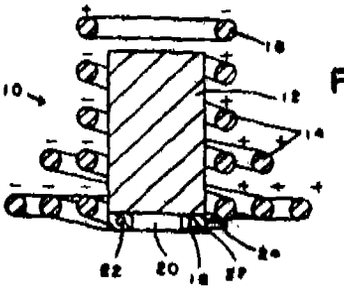
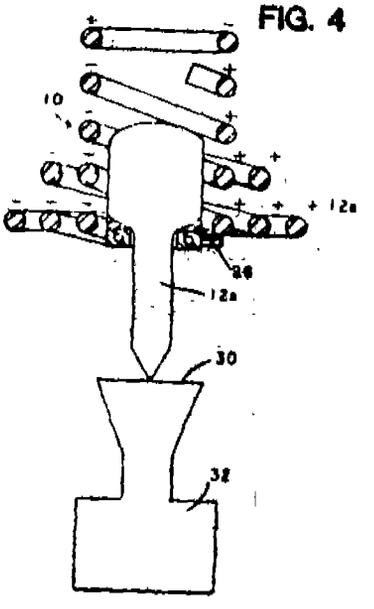


FIG. 1

FIG. 4



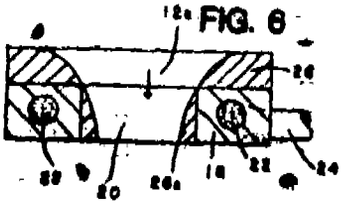


FIG. 6

(Compl. Specn. 20 pages; Drgns. 3 sheets)

Cl. : 116 G 175585

Int. Cl. : E 21 C 35/04, F 02 F 9/24.

OPEN-CAST MINING CONVEYOR APPLIANCE

Applicants : (1) SIEMENS AKTIENGESELLSCHAFT, OF WITTELSBACHERPLATZ 2, D-80333 MUENCHEN, GERMANY; (2) RHEINBRAUN AKTIENGESELLSCHAFT, OF POSTFACH 410840, D-50868 KOELN, GERMENY, (3) IBEO INGENIEURBUERO FUER ELEKTRONIK UND OPTIK J. HIPP+G. BROEHAN, OF FAHRENKROEN 121, D-22179 HAMBURG, GERMANY.

Inventors :

(1) HANS-JOERG NUESSLIN,
(2) FRANZ-JOSEF HARTLIEB,
(3) JOHANN HIPP,
(4) EDMUND HEIMES,
(5) FRANZ-ARNO FASSBAENDER,
(6) RALF ECKOLDT,
(7) DIETER HENNING.

Application No. 665/Cal/90 filed on 6th August 1990

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

11 Claims

Open-cast mining conveyor appliance, especially excavator (1), with a jib (20) and with a collision safety device for protecting the jib (20) against collisions with possible collision objects (12, 22) in the working range of the conveyor appliance (1), the collision safety device having a radiation transmitter/receiver (2, 15, 16, 28), arranged on the conveyor appliance (1), for scanning the working range of the conveyor appliacne (1) characterized in that the radiation transmitter/receiver (2, 15, 16, 28) is a laser scanner, which generates a pulsed laser beam (14, 25) for the linear or grid-like scanning of the working range of the conveyor appliance (1), and in that the laser scanner (2, 15, 16, 28) is followed by a computer (27), in which the angular position and by evaluation of the transit time of the pulses of the laser beam (14, 25), the distance of the scanned collision objects (12 22) are determined.

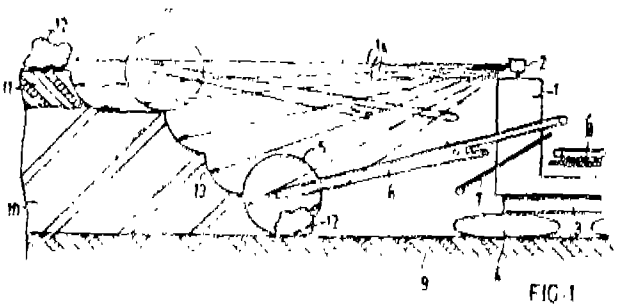


FIG-1

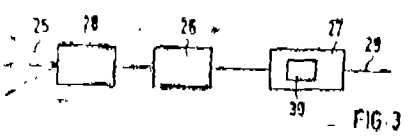


FIG-3

(Compl. Specn. 11 pages; Drgns. 1 sheet)

Cl. : 40 B. 175586

Int. Cl.4 : B 01 J 8/00.

A PROCESS FOR THE ACTIVATION OF FRESH OR DEACTIVATED NOBLE METAL CATALYST.

Applicant : E.I. DU PONT DE NEMOURS AND COMPANY OF DELAWARE, WILMINGTON UNITED STATES OF AMERICA.

Inventors :

(1) CARL STEPHEN KELLNER,
(2) JAN JOSEPH LEROU,
(3) VELLIYUR NOTT MALLIKARJUNA RAO,
(4) KLAUS GUENTER WUTTKE.

Application No. 814/Cal/90; filed on 19th September 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

18 Claims

A process for the activation of fresh or deactivated noble metal catalyst comprising contacting said catalyst at a temperature of 200°C to 500°C wih an atmosphere containing fluorohalocarbon or fluorohalohydrocarbon of the formula $C_nN_mF_pX_q$ wherein X is chlorine and/or bromine, n is an integer from 1 to 6; m is an integer from 0 to 6, provided that m can be no more than the total n in the compound; p and q are integers from 1-13 when the compound is acyclid and integers from 1-11 when the compound is cyclic, provided that the fluorohalocarbon and/or fluorohalohydrocarbon always contain at least one chlorine or bromine atom and provided that $m+p+q=2n+2$ when the compound is a cyclic and that $m+p+q=2n$ when the compound is cyclic, wherein 10% or less of hydrogen is present in the reaction mixture to produce said activated or regenerated catalyst.

(Compl. Specn. 19 pages; Drgns. Nil)

Cl. : 1/2 D : 7 : 8 175587

Int. Cl.4 : D 01 G 1/04.

AN IMPROVED FLYER SPINING SYSTEM.

Applicant : INDIAN JUTE INDUSTRIES RESEARCH ASSOCIATION OF 17 TARATOLA ROAD, CALCUTTA-700 088, WEST BENGAL, INDIA.

Inventors :

(1) SHRI TAMAL KR. ROY.
(2) SHRI DEBABRATA SARKAR.

Application No. 871/Cal/1990; filed on 11th October 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

3 Claims

An improved flyer spinning system which comprises an assembly consisting of drawing roller and pressing roller (procelain feeler (7), wharf cap (6), wharf crown (5), a over-hung flyer (2) suspended above the bobbin (3), spindle (4), drag pad (9) and bobbin driver (10) wherein the improvement is characterised in that an eccentric hole (C) (i.e. the hole being situated in a non-axial position) is provided over the wharf cap (6) to regulate the twist of the yarn the size, nature, shape and eccentricity of the eccentric hole (C)

depending upon the pitch of the spinning frame and the nature of the fibres to be spun.

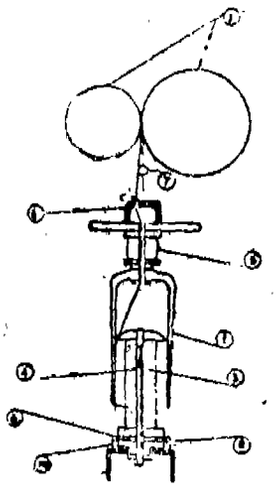


FIG. 1

(Compl. Specn. 8 pages; Drgns. Nil)

Cl.: 69 Q 175588

Int. Cl.: H 01 H 33/82.

GAS CIRCUIT BREAKER.

Applcian: HITACHI LTD. OF 6, KANADA SURUGA-DAI 4-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors:
(1) OSAMU KOYANAGI.
(2) YASUHARU SEKI.
(3) MASANORI TSUKUSHI.

Application No. 1051/Cal/90 filed on 21st December, 1990.

Appropriate Office for Opposition Proceedings Rule 4, Patent Rule 1972), Patent Office, Calcutta.

4 Claims

A gas circuit breaker comprising;

a fixed contactor and a movable contactor adapted to be separated from each other;

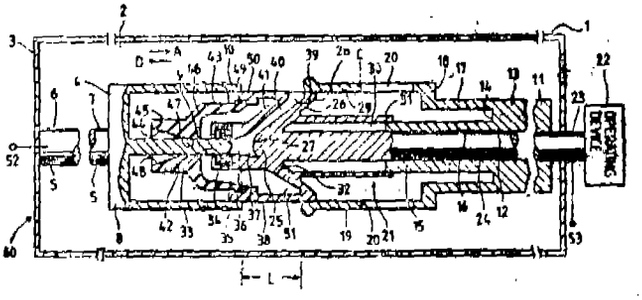
a nozzle of an electrically insulating material surrounding said contactors so as to guide a flow of gas;

a cylinder forming a unitary body together with said movable contactor and said nozzle and forming a puffer chamber for compressing a gas therein upon a separating of said contactors;

an exhaust gas guide gastightly contacting on said cylinder and compressing the gas at said puffer chamber upon the separating of said contactors so as to blow said gas from said puffer chamber to said nozzle and exhaust said gas through an exhaust passage through a hollow portion of said movable contactor, said exhaust passage being formed between said puffer chamber and said movable contactor; and

wherein an exhaust port, formed at an end of said exhaust passage located at a downstream side of the gas low, is opened to a gas space within the circuit breaker housing through an end of said exhaust gas guide between a closing time of said contactors and a time about which said movable contactor and said fixed contactor are separated at an initial stage is closed during the initial stage and opened subsequently at an intermediate stage of the circuit breaking operation.

FIG. 4



(Compl. Specn. 26 pages; Drgns. 6 sheets)

Cl.: 179 E 175589

Int. Cl.: B 65 B 7/28, B 65 D 43/04.

LID FOR CLOSING A CONTAINER.

Applicant: E.I. DU PONT DE NEMOURS AND COMPANY, AT WILMINGTON. DELAWARE, UNITED STATES OF AMERICA.

Inventors:
(1) KAREN URSULA BLASKOVITZ (NEE: LAMB).
(2) STEPHEN ROBERT TANNY.

Application No. 169/Cal/91 filed on 22nd February 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

9 Claims

Lid for closing a container comprising a substrate as herein described and a layer of sealant as herein described supported by said substrate, said sealant being capable of providing a seal for said container to which the sealant is heat sealed and easy peelability by adhesive failure between said sealant and said container so as to leave said container free of sealant, said layer consisting essentially of a blend of (a) 50 to 97% by weight of a copolymer of ethylene with an unsaturated ester selected from the group cossisting of vinyl acetate and C alkyl acrylate or methacrylate wherein said unsaturated ester is present in an amount of 12 to 40% by weight based on the weight of the copolymer and (b) complementally to total 100% of (a) plus (b), 3 to 50% by weight of a terpolymer of ethylene with an unsaturated acid or anhydride thereof and unsaturated ester wherein said acid or anhydride thereof is present in an amount of from 1 to 18% by weight based on the weight of the terpolymer and said unsaturated ester is present in an amount of from 3 to 40% by weight based on the weight of the terpolymer, and optionally an effective amount of surface modifier such as herein described, the components (a) and (b) of said blend having sufficient compatibiltiy so as to have a greater cohesive strength than the peel strength of the seal between said sealant and said container, the blend of said sealant being capable of providing a seal with said container which exhibits a peel strength which does not change by more than 250 g/2.54 cm over a temperature range of 50°F providing a peel strength of 500 to 2200 g/2.54 cm, disclaiming the lid obtained of a chemical compound or a mere admixture of its constituents.

(Compl. Specn. 22 pages; Drgns. 2 sheets)

Cl. : 194-C-7 175590

Int. Cl.4 : H 01 J 29/00.

DEFLECTION YOKE.

Applicant : SAMSUNG ELECTRON DEVICES CO. LTD. OF 575, SIN-RI, TAEAN-EUB, HWASUNG-KUN, KYUNGGI-DO, REPUBLIC OF KOREA.

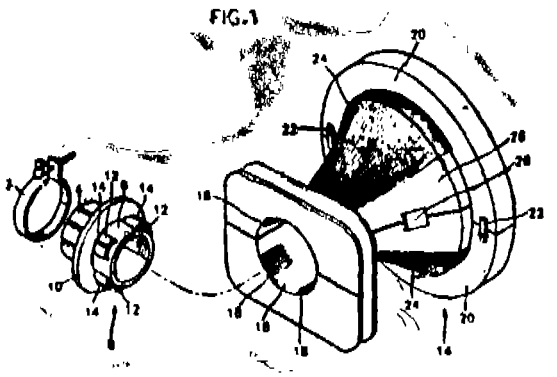
Inventor : KANGRYONG JEI.

Application No. 422/Cal/91 filed on 4th Jun 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

3 Claims

A deflection yoke having a cone part (15) and a neck holder part (8), wherein said neck holder part (8) comprises segmental pieces (4) formed on one side of said neck holder part (8), a tubular plug (6) extending from the other side and a flange (10) projecting to form a boundary between said segmental pieces and said plug, a plurality of ratchets (14) being equally spaced on the outer circumferential surface of said plug (6); and said cone part (15) is provided with an opening (16) for receiving said plug (6) and comprises a pair of separators (20) symmetrically joined to each other and having a vertical and a horizontal deflection coils (30, 24) on the inner and outer circumferential surface thereof and teeth (18) equally spaced on the inner circumferential surface of said opening (16) and meshing with said ratchets (14) of said neck holder part with the plug (6) received in said opening (16).



(Compl. Specn. 14 pages; Drgns. 4 sheets)

Cl. : 128 F G. 175591

Int. Cl.4 : A 61 M 25/00, 25/02, 5/14.

AN INTRAVASCULAR CATHETER ASSEMBLY.

Applicant : CRITIKON, INC. OF 4110 GEORGE ROAD TAMPA, FLORIDA 33634, UNITED STATES OF AMERICA.

Inventors :

(1) RICHARD M. BLOOM.
(2) LEONARD C. DUCHARME, AND
(3) JOSEPH J. CHANG.

Application No. 269/Cal/1990; filed on 02nd Apri 1990.

Appropriate Office for Opposition Proceedings Rule 4, Patent Rule 1972), Patent Office, Calcutta.

15 Claims

An intravascular catheter assembly comprising;

a tubular needle housing having distal end a botton patient-facing surface and an open top;

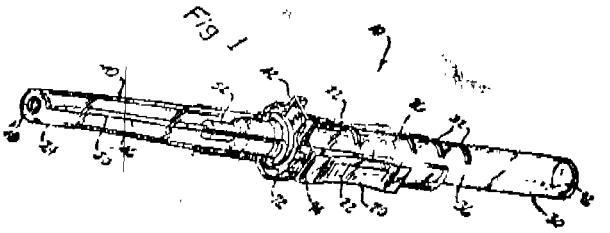
a hollow needle extending from the distal end of said needle housing;

a tunular needle guard slideably located within said needle housing and including at its distal end means for engaging a catheter hub, said distal end having an aperture for passage of said hollow needle therethrough;

and

means located partially on said needle housing and partially on said needle guard for locking said needle guard in an extended position relative to the distal end of said needle housing;

wherein said needle guard is accessible through said open top of said needle housing for sliding said needle guard distally to its locking position in which the distal end of said hollow needle is located within said needle guard.



(Compl. Specn. 17 pages; Drgns. 5 sheets)

Cl. : 128-A 175592

Int. Cl.[5] : A 61 F 13/02.

LOW FRICTION FILM DRESSING.

Applicant : JOHNSON & JOHNSON CONSUMER PRODUCTS, INC. OF 501 GEORGE STREET, NEW BRUNSWICK, N.J. 08903, UNITED STATES OF AMERICA.

Inventor : RONALD M. FERET.

Application No. 560/Cal/1990; filed on 06th July 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

15 Claims

A thin film, self-adhesive dressing for the prevention and treatment of skin friction blisters comprising an embossed elastomeric film such as herein described coated on one surface with a known pressure-sensitive adhesive, said film having a thickness of from about 0.5 to 10 mils, a moisture vapor transmisson rate of more than about 100 g/M²/day, and a coefficient of friction on the adhesive free surface of less than 1.0.

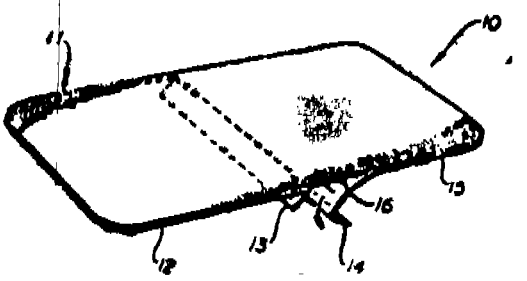
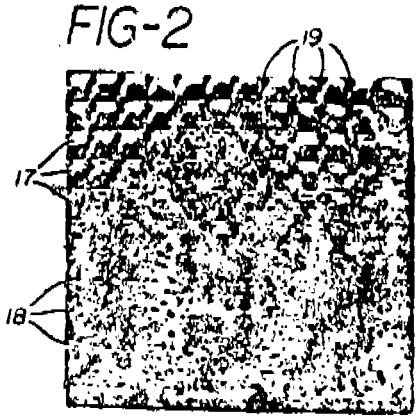


FIG-2



(Compl. Specn. 17 pages; Drgns. 3 sheets)

Cl. : 69 A 175593

Int. Cl.[4] : H 01 H 71/12.

A CIRCUIT BREAKER.

Applicant: WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors :

(1) ALFRED EUGENE MAIER,

(2) ANTONIO WALTER M. CABRAL,

(3) CARLOS PEREIRA S.E. SILVA.

Application No. 722/Cal/90 filed on 22nd August 1990.

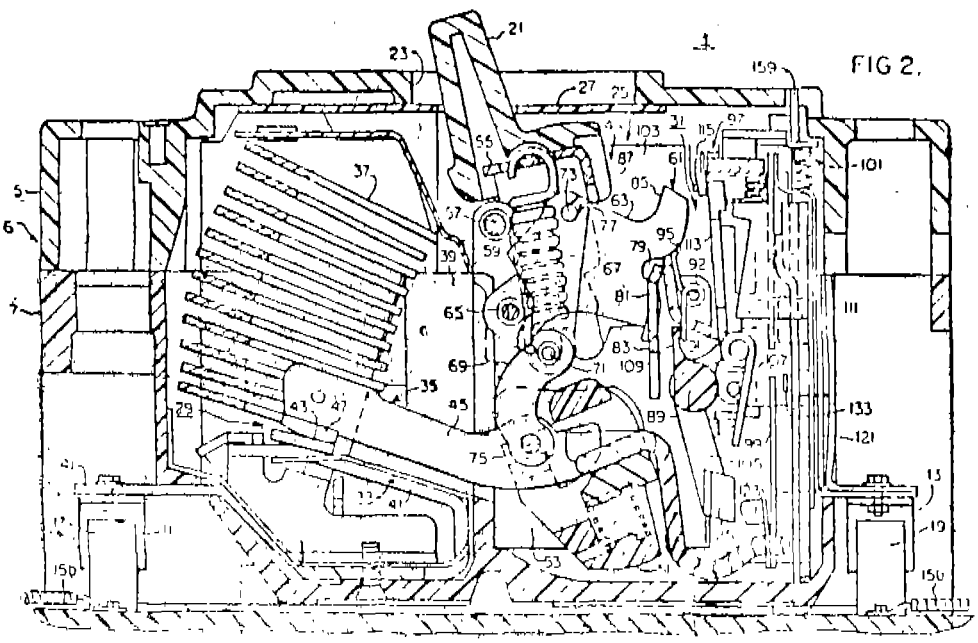
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

5 Claims

A circuit breaker releasably mountable on a mounting member in series electrical connection with an electrical conductor to be protected from abnormal currents, said circuit breaker including electrical contacts operable between a closed position in which a circuit is completed through the conductor and an open position in which the circuit through the conductor is interrupted a latchable operating mechanism operable to operate said electrical contacts to the open position when unlatchedl a trip bar rotatable from a biased position to a tuip position to unlatch said operating mechanism an automatic trip assembly responsible to abnormal current flowing through said conductor to rotate said trip bar to the trip position; an electrically insulating housing enclosing said elecrtical contacts, said latchable operating mechanism, said trip bar and said automatic trip assembly; electrical terminals connected to said electrical contacts within said electrically insulating housing and extending through said housing to releasably engage said electric conductor characterized by

a manual trip mechanism accessible through said electrically insulating housing and movable from outside said housing from an unactuated position to an actuated position to rotate said trip bar to the trip position; and a drawout interlock mechanism including an interlock member movable between a retracted position and an extended position, a biasing device for biasing said interlock member to the extended position and a coupling device for coupling the interlock member to the manual trip mechanism to move said manual trip mechanism to the actuated position with movement of said interlock member from the retracted position to the extended position, but permitting the manual trip mechanism to be moved to the actuated position manually while the interlock member remains in the retracted position, said interlock member being retained in the retracted positoin, by engagement through said housing with said mounting member when said circuit breaker is mounted on said mounting member and said electrical terminals engage said electrical conductor means, and said interlock member being moved to the extended posiiton by the bialsing device as said circuit breaker is withdrawn from the mounting member to trip the circuit breaker through actuation of the manual trip mechanism before said electrical terminals disengage from the electrical conductor,

FIG 2.



(Compl. Specn. 16 pages; Drgns. 5 sheets)

Cl. : 81 175594

Int. Cl.[4] : A 62 D 1/06.

"FIRE EXTINGUISHING COMPOSITION AND PROCESS".

Applicant : E.I. DU PONT DE NEMOURS AND COMPANY, OF WILMINGTON, DELAWARE, UNITED STATES OF AMERICA.

Inventor : RICHARD EDWARD FERNANDEZ.

Applicatoin No. 950/Cal/90 filed on 12th November 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

7 Claims

A fire extinguishing composition comprising at least 4 volume percent of at least one fluoro-substituted propane selected from the group of

CF_3—CHF—CF_3, CHF_2—CF_2—CF_3, CF_3-CH_2—CF_3, CF_3—CF_2—CH_2F CF_2H—CF_2—CHF_2-$CHClF$—CF_2—CF_3, CHF_2—CF_2Cl, CF_3—$CHCl$-CF_3, CF_3—CHF—CF_2Cl, and CHF_2—$CFCl$ CF_3 alongwith a propellant such as herein described.

(Compl. Specn. 18 pages; Drgns. Nil)

Cl. : 40-B 175595

Int. Cl.[4] : B 01 J 23/00, 23/42, 23/44.

F 01 N 3/00, 3/10.

A DEVICE FOR THE CATALYTIC PURIFICATION OF THE EXHAUST GASES OF INTERNAL COMBUSTION ENGINES, IN PARTICULAR TWO-STROKE ENGINES.

Applicant : DEGUSSA AKTIENGESELLSCHAFT OF 6000 FRANKFURT AM MAIN, WEISSFRAUENSTRASSE 9, FEDERAL REPUBLIC OF GERMANY.

Inventers :

(1) RAINER DOMESLE.
(2) BERND ENGLER.
(3) EDGAR KOBERSTEIN.
(4) ULRICH PLOTZKE, AND
(5) HERBERT VOLKER.

Application No. 975/Cal/1990; filed on 19th November 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

8 Claims

A device for the catalytic purification of the exhaust gases of internal combustion engines, in particular two-stroke engines, characterized by a outer tube (1) optionally forming a section of the exhaust pipe or an expansion chamber arranged in the exhaust pipe, a perforated inner tube (3) arranged inside the outer tube and spaced apart therefrom, optionally having a form corresponding to that of the outer tube and coated on one or both sides with an exhaust gas purification catalyst (2) as herein described the space between the outer tube and the inner tube being established by at least one web (4) connected with both tubes to form an annular chamber (5) which may be interrupted by projections or beads in the inner tube, the said space between the outer tube and the inner tube being within a range of from 1.01 to 1.20, depending on the ratio of the internal ,diameter of the outer tube to the external diameter of the inner tube.

(Compl. Specn 11 pages; Drgns. 1 sheet)

Cl. : 51 C 175596

Int. Cl[4] : B 27 B 5/00, 5/12. 5/29.

"CIRCULAR SAW BLADE ASSEMBLY FOR A SAW MILL".

Applicant & Inventor : KAUKO RAUTIO, OF KOLMIHAARANTIE 1, 52700 MANTYHARJU, FINLAND.

Application No. 982/Cal/90 filed on 19th November 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972). Patent Office, Calcutta.

5 Claims

A circular saw blade assembly for a saw mill or similar apparatus used for sawing boards from logs, said circular saw blade assembly comprising at least two circular saw blades (2) attachable to an axially moveable on a saw blade spindle (1) to vary the spacing there-between and one or more edging cutters for shaping the board to a correct width, characterised in that the or each edging cutter is arranged between two adjacent saw blades and formed by two edge cutter elements (3, 4) each associated with a respective one of said two adjacent circular saw blades (2, 5) so that the elements are axially adjustable in relation to each other as the spacing of the circular saw blades (2, 5) is adjusted, each cutter element (3, 4) comprising a block section (7) having a hole extending therethrough for the passage of the saw blade spindle (1), and one or more cutter knives (6) provided on the block section (7), the or at least one of the cutter knives (6) projecting beyond the block section (7) in a direction parallel to the axis of the saw blade spindle (1) and away from the associated circular saw blade, the knives (6) of the cutter elements (3, 4) of the or each edging cutter being aligned to define, when rotating, the circumference of a single cutting cylinder between said two adjacent circular saw blades.

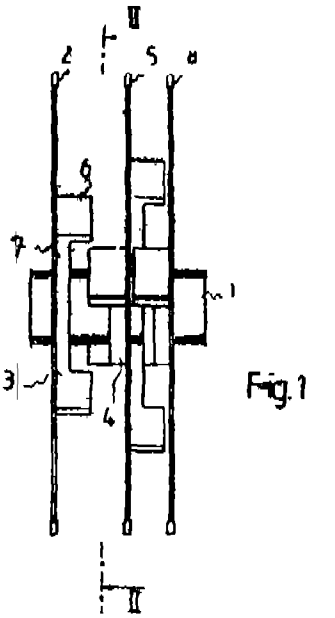
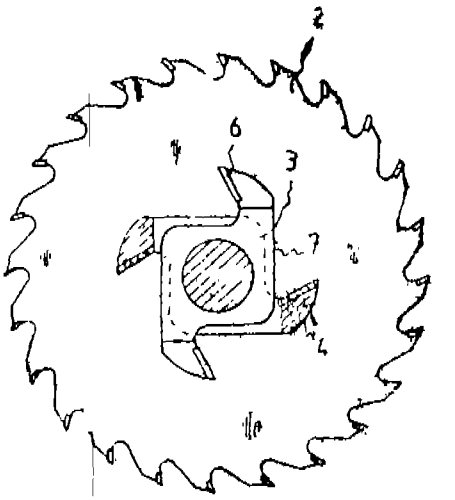


Fig.1



(Compl. Specn. 9 pages; Drgns. 1 sheet)

Cl. : 39 III 175597

Int. Cl. : 4 C 05 D 9/00.

PROCESS FOR PRODUCING A SLOW-RELEASING BORON FERTILIZER.

Applicants & Inventors :

(1) SANJAY KUMAR RAY OF 88/3 JHOW TALA ROAD, CALCUTTA 700 017, INDIA.

(2) CHANDRIKA VARADACHARI OF 4A 'RATNABALI 7A JUDGES COURT ROAD, CALCUTTA, 700 027, INDIA, AND

(3) KUNAL GHOSH OF 'PRANTIK' 40 KUMUD GHOSAL ROAD, CALCUTTA 700057, INDIA.

Application No. 363/Cal/1991; filed on 14th May 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

13 Claims

A process for the manufacture of slow-releasing boron fertilizer, which process comprises (a) neutralising boric acid with sodium carbonate, (b) reacting magnesium oxide with phosphoric acid at 110°C, at a Mg. : P ratio of 1 : 2.36, (c) mixing the sodium borate solution obtained from the stage (a) with the magnesium phosphate obtained from stage (b), at a B : P ratio of 1 : 1, and finally (d) heating the mixture at 300°C.

(Compl. Specn. 11 pages; Drgns. Nil)

Cl. : $32F_1 + 32F_{10} + 55E_4$. 175598

Int. Cl.[4] : C 07 B 31/00,

C 07 C 87/28, 87/30, 87|50, 87|58, 87|68, 143|38.

PROCESS FOR THE PREPARATION OF ARYLETHYLAMINES & SUBSTITUTED ARYLETHYLAMINES.

Applicant : HOECHST CELANESE CORPORATION, OF ROUTE 202—206 NORTH, SOMERVILLE, NEW JERSEY; U.S.A.

Inventors :

(1) AHMED M. TAFESH.

(2) BILLY FRANK WOOD, JR.

(3) JOSEPH ALOYSIUS MCDONOUGH.

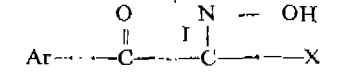
(4) GRAHAM NIGEL MOTT.

Application No. 118/Cal/93 filed on 23rd February 1993.

23 Claims

A method of producing an arylethylamine, Ar-CH_2- CH_2-NH_2, wherein Ar is unsubstituted or substituted phenyl or naphthyl radical which is characterized by :

(a) hydrogenating a compound of the formula :



Wherein X is a halide selected from F, Cl, Br, of I; and wherein Ar is an unsubstituted or substituted phenyl or naphthyl radical, wherein the substituents are selected from the group consisting of amino, alkylamino, dialkylamino, hydroxyl, alkoxy, alkyl, phenyl, benzyl, sulfonic acid, and sulfinic acidradicals, wherein the alkyl component is a branched or unbranched C1-C8 alkyl radical and wherein any of said alkyl, phenyl, and benzyl radicals are optionally substituted with one or more substituents selected from amino, hydroxyl, sulfonic acid, and sulfinic acid radicals, and said phenyl and benzyl substituents are optionally substituted with a C1-C8 alkyl or C1-C8 alkoxy radical or both;

in a first hydrogenation step with 3 equivalents of hydrogen in the presence of a substantially anhydrous protic solvent and a transition metal catalyst such as herein described, on an inert support under substantially anhydrous conditions to produce a reaction mixture, reaction generally conducted between about 10—70°C;

(b) adding water to said reaction mixture;

(c) proceeding to further hydrogenate the resultant reaction mixture of step (b) in a second hydrogenation step with 2 equivalents of hydrogen in the presence of water in a temperature range of about 35—120°C to produce arylethylamine salt, wherein at least one of the said hydrogenation steps (a, c) is carried out in the presence of an inorganic acid; and

(d) basifying said arylethylamine salt of step (c) to produce the arylethylamine, filtering to remove the catalyst and cooling the filtrate to get the disired arylehylamine.

(Compl. Specn. 20 pages; Drgns. Nil)

Cl. : 55 E 2 175599

Int. Cl.[4] : A 61 K 9/10, 31/00, 31/74, 37/00.

A METHOD OF MANUFACTURE OF A BIOCOMPATIBLE STORAGE STABLE COLLOIDAL DISPERSION HAVING DISPERSED PHASE PARTICLES OF A LIQUID OF A BOILING POINT LESS THAN 37 C.

Applicant : SONUS PHARMACEUTICALS, INC. OF 22026 20TH AVENUE, S.E., SUITE 102 BOTHELL WASHINGTON 98021 UNITED STATES OF AMERICA.

Inventor : STEVENCARL QUAY.

Application No. 232/Cal/1993; filed 22nd April 1993.

Appropriate Office for Opposition Proceedings (Rule 4 Patent Rule 1972), Patent Office, Calcutta.

22 Claims

A method of manufacture of a biocompatible storage stable colloidal dispersion for use in ultrasound imaging of an animal comprising the steps of

(a) mixing at least one amphiphilic material, such as herein described, with water to form an aqueous continuous phase;

(b) adding a liquid, such as herein described, having a boiling point of less than 37°C to said continuous phase to form a mixture, the amount of the liquid being 0.00001 to 66% weight per volume of the mixture;

(c) comminuting the mixture manually, mechanically, or by the action of ultrasound for a time sufficient to form a dispersed phase comprising particles with an average diameter of less than 5000 nm.

(Compl. Specn. 65 pages; Drgns. Nil)

Cl. : 32 F2 (c) 175600

Int. Cl.[4] : A 01 N 33/24, 31/02.

C 07 C 147/02.

A METHOD FOR THE PREPARATION OF A HYDROXAMIC.

Applicant : AMERICAN CYANAMID COMPANY OF ONE CYANAMID PLAZA, WAYNE, STATE OF NEW JERSEY 07470, UNITED STATES OF AMERICA.

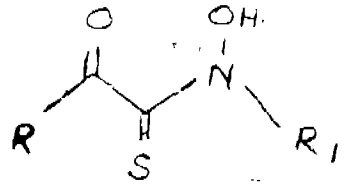
Inventor : GREGORY JAY HALEY.

Application No. 238/Cal/93 filed on 26th April 1993.

Appropriate Office for Opposition Proceedings (Rule 4 Patent Rule 1972), Patent Office, Calcutta.

2 Claims

1. A method for the preparation of a hydroxamic acid having the structural formula.



wherein

R is C_1 -C_6 alkyl optionally substituted with one or more halogen atoms, or

C_3 -C_{12} cycloalkyl or polycycloalkyl optionally substituted with one or more C_1 -C_1 alkyl groups;

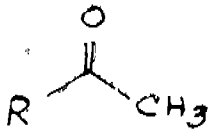
R_1 is C_3 -C_8 cycloalkyl

C_1 -C_8 alkyl optionally substituted with one or more halogen atoms,

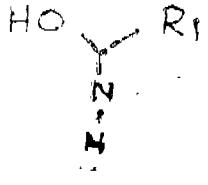
benzyl optionally substituted with one or more halogen,

CN, NO_2, C_1 -C_4 alkyl or C_1 -C_4 haloalkyl groups, or phenyl optionally substituted with one or more halogen,

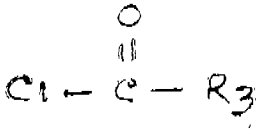
CN, No_2 C_1 -C_4 alkyl or C_1 -C_4 haloalkyl groups which comprises reacting a substituted ketone having the structural formula



wherein R is as defined above with at least one molar equivalent of thionyl chloride in the presence of at least one molar equivalent of an organic base at an elevated temperature reacting compounds thus obtained with at least one molar equivalent of a hydroxylamine compound or its hydrohalide salt having the structural formula



wherein R_1 is as defined above in the presence of at least one molar equivalent of an organic base to yield hydroxamic acid compound; and, if desired, reacting the hydroxamic acid compound with at least one molar equivalent of an acid chloride having the structural formula



wherein R_3 is as defined herein the presence of at least one molar equivalent of an organic base to yield the hydroxamic acid ester;

(Compl. Specn. 42 pages; Drgns Nil)

Ind. Cl.: 10 2D (XXIX (1)) 175601

Int. Cl.[4]: F 16 H 5/00, 47/00.

A COMPOUND HYDROMECHANICAL TORQUE CONVERTER.

Applicant: BHARAT HEAVY ELECTRICALS LIMITED, AN INDIAN COMPANY OF BHEL HOUSE, SIRI FORT, NEW DELHI-110 049.

Inventor: RAO THORALI MUNISWAMY KRISHNA.

Application No. 55/DEL/88 filed on 21-01-1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

8 Claims

A compound hydromechanical torque converter comprising a three member hydraulic torque converter and a gearing means, the stator of the hydraulic torque converter being connected to the output shaft through the gearing means to constitute a contra rotaing complemenary turbine, the turbine of the hydraulic torque converter being directly connected to the output shaft serving as main turbine, characterised in that the gearing means convented to a conventional hydraulic torque converter comprising a hollow output shaft around a co-axial main output shaft, said hollow output shaft being provided for supporting the geariemgn nashsrdlu shrdlu cm provided for supporting the gearing means except a first input gear, said gearing means comprising one planetary gear means and a speed reverser or two planatory gear means and a reverser, the said co-axial main output shaft within said hollow shaft being separated from the gearing system except the first input gear, and a splined sleeve being provided on the said two shafts at the output and for coupling the shafts, and wherein said hollow output shaft is held rotatably between the bearings on the casing of the gear box, said splined sleeve being mounted on said hollow output shaft.

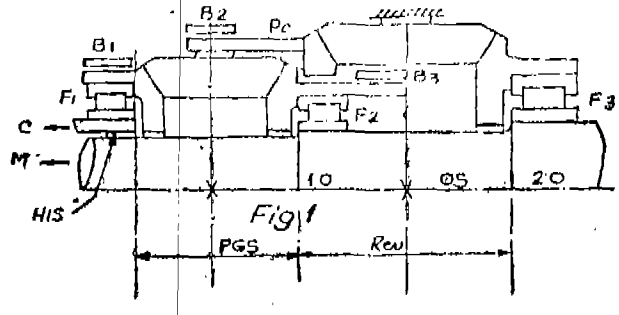


Fig 1

(Compl. Specn. 43 pages; Drg. 5 sheets)

Ind. Cl. : 35 E [XXV(2)] 175602

Int. Cl.[4] : C 04 B 35/80.

A NEW PROCESS FOR MAKING OF CO-DEPOSITED SHORT CERAMIC COMPOSITE FIBRES.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor : AJOY KUMAR RAY.

Application No. 486/Del/88 filed on 01-06-88.

Comp. specn. filed on 18-08-89.

Appropriate office for opposition proceedins (Rules 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

17 Claims

A new process for marking of co-deposited short ceramic composite fibres using natural plant fibres which comprises :

(i) washing natural plant fibres thoroughly with water;

(ii) drying the said washed fibres at a temperature in the range of 80 to 100°C to complete dryness.

(iii) treating the dried fibres with inorganic salt such as sodium silicate and others as herein described so as to introduce sodium silicate or respective salt into the lumen of fibres;

(iv) then treating with 6–8(N) hydrochloric acid for 20–30 minutes;

(v) heating the materials at 100–110°C;

(vi) introducing aqueous aluminium chloride solution into the lumens of the fibre by soaking.

(vii) adding catalyst such as transition metals;

(viii) then treating with ammonium chloride and ammonium hydroxide to convert aluminium chloride to aluminium hydroxide ;

(ix) washing of excess alkali with water followed by complete drying of the fibres ;

(x) heating the said incorporated fibres in inert atmosphere in the range of 500–1800°C and a period of one to one and half hour for resulting into ceramic fibres;

(xi) buring the fibres in oxidising atmosphere for removal of excess carbon formed over the ceramic fibres at a temperature in the range of 600–800°C and for a period of 1 to 2 hours.

Provision specn. 06 pages Drg. Nil.
Complete specn. 11 pages Drg. Nil.

Ind. Cl. : 32 (F-1) 175603

Int. Cl.[4] : C 08 F, 114/06

METHOD FOR THE PREPARATION OF A POLY-VINYL CHLORIDE COMPOSITION A BLEND.

Applicant : NORSK HYDRO A.S., OF BYGDY ALLE 2, 0257 OSLO, 2, NORWAY, A NORWEGIAN COMPANY.

Inventors : MARGARET ANNE NEISH AND RICHARD ANDREW LAWRENCE.

Application No. 552/Del/88 filed on 29-6-88.

Appropriate office for opposition proceedins (Rules 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

3 Claims

A method for the preparation of polyvinyl chloride compound or blend which comprises introducing into a compounding machine :

about 75% polyvinyl chloride resin;

about 11% fillers; and

the balance conventional additives such as stabilisers and pigments blending the said ingredients under a melt temperature of 120°C to 210°C until the blend is melted and fused to a high degree, and immediately subjecting the fused melt to intensive mixing so as to repeatedly sub-divide and re-mix the fused structures in said melt in order to reduce the size thereof to a diameter of approximately 10 to 100 u.m.

Compl. specn. 21 pages Drg. 1 sheet.

Ind. Cl. : 170A [XLIII (4)]. 175604

Int. Cl.[4] : C 11 D, 1/00

A LIQUID FABRIC SOFTENING AND ANTI-STATIC COMPOSITION AND A METHOD OF PREPARING THE SAME.

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO, U.S.A.

Inventor : DARLENE ROSE WALLEY.

Application No. 636/DEL/88 filed on 27 July 1988.

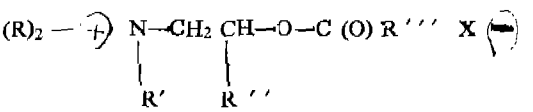
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patents Office Branch, New Delhi-110005.

19 Claims

1. A liquid fabric softening and antistatic composition, comprising :

(a) a liquid carrier such as herein defined;

(b) at least about 1% by weight of a softener compound in the form of particles having an average diameter of from 0.2 micron to 0.45 micron dispersed in said carrier, said softener compound being of the formula



wherein each R is a short-chain alkyl or hydroxyalkyl group, or mixtures thereof ; R' is a C_{10}-C_{18} hydrocarbyl group, R" is a hydrogen or short-chain hydrocarbyl group ; R'" is a C_{1}-C_{18} hydrocarbyl substituent; and X is a counterion, the amount of said liquid carrier being from 8 to 50% by wt. of said softener compound ;

(c) 0.05% to 1.0% by weight of a protonated free amine;

(d) 0.1% to 10% by weight of a conventional di-(higher alkyl) quarternary ammonium softening agent;

(e) 0.1% to 10% by weight of a nonionic extender; and the balance if any, being constituted by an emulsifier such as herein described, wherein the pH of said composition is from 2.0 to 5.0.

(Compl. Specn. 24 pages; Drg. Nil)

Ind. Cl. : 40 B, 39-0. 175605

Int. Cl.[4] : B01 J 21/12

PROCESS FOR THE PREPARATION OF A CRYSTALLINE FERRI-ALUMINOSILICATE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XX OF 1860).

Application for Patent No. 1107/DEL/88 filed on 15 December 1988.

Inventor : ARVIND NARAYAN KOTASTHANE, VASUDEO PANDURANG SHIRALKAR AND PAUL RATNASAMY.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patents Office Branch, New Delhi-110005.

9 Claims

A process for the preparation of a crystalline ferri-aluminosilicate with a structure characterised by the x-ray diffraction pattern as herein described infrared spectra of the kind as

herein described and a chemical composition in terms of mole ratios of oxides by the formula. :

$$YM_2O : X\ Fe_2O_3 : (1—X)\ Al_2O_3 : W\ SiO_2 : A\ H_2O$$

Where M is an alkali metal cation, Y is between 0.5 to 1.5, Z is between 0 to 12, W is in the range 4-8, X is above 0 and below 1, the said process comprising forming a reaction mixture with water, silicon compound, an aluminium compound a source of iron (111) oxide and an alkali and maintaining the said reaction mixture at a temperature between 20—120°C for sufficient period of time to obtain the said crystaline ferri-aluminosilicate.

(Compl. Specn. 26 pages).

Ind. Cl. : 32 *B*. 175606

Int. Cl.[4] : C07C 5/367.

A PROCESS FOR THE PRODUCTION OF AROMATICS FROM ALIPHATIC HYDROCARBONS USING WATER ADDITION TO IMPROVE ACTIVITY.

Applicant : UOP, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT 25 EAST ALGONQUIN ROAD, DES PLAINES, ILLINOIS, UNITED STATES OF AMERICA.

Inventor : JOSEPH ZMICH, MICHAEL BRUCE RUSS AND VISNJA ANGELA GEMBICKI.

Application for Patent No. 1162/DEL/88 filed on 23 December 1988.

Appropriate Office for Opposition Proceedings (Rule 5, Patents Rules, 1972), Patents Office Branch, New Delhi 110005.

2 Claims

A process for the production of aromatics such as herein described from aliphatic hydrocarbons which comprises contacting a C_6C_{10} hydrocarbon feedstock in a reaction zone at dehydrocylization conditions, including a pressure of from 101 kpa (abs) to 4137 kpa (ga), a temperature of from 350 to 650°C a liquid hourly space velocity of from 0.1 to 10 hr^{-1}, and a molar ratio of hydrogen to hydrocarbon feedstock of 0.1 : 1 to 10 : 1, with a catalyst comprising nonacidic L-zeolite, a Group VIII metal component, and an inorganic oxide support matrix, and characterized in that water, water precursors, or mixtures thereof, is added to the reaction zone in an amount of 10 to 100 ppm calculated as H_2O and based on the weight of hydrocarbon feedstock.

(Compl. Specn. 16 pages).

Ind. Cl. : 69 I. 175607

Int. Cl.[4] : H 01 H 9/00.

ELECTRIC CONTACT MAKER APPARATUS.

Applicant : LA TELEMECANIQUE ELECTRIQUE, A FRENCH CORPORATION OF 33 BIS, AVENUE DU MARACHAL JOFFRE, 92000 NANTERRE, FRANCE.

Inventors : SANTOS GUINDA, OF PAVILLON NO. 8, LES HAUTS DE ST. MICHEL, RUE DES AEROSTIERS, 27000 EVREUX, FRANCE AND PIERRE JEAN DECELLE, OF 1, VOIE DES COTTAGES, 27100 VAL DE REUIL, FRANCE, BOTH FRENCH CITIZENS.

Application for Patent No. 297/Del/89 filed on 30-3-89.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

An electric contact maker apparatus comprising :

A housing containing an electromegnet having a coil said housing having a substantially parallelepipedic shape and comprising at least two opposite side walls matching respectively two opposite faces of said electromagnet, a front wall for securing auxiliary contact blocks, and upper and rear faces, the rear face for fixation of the housing on a supporting member,

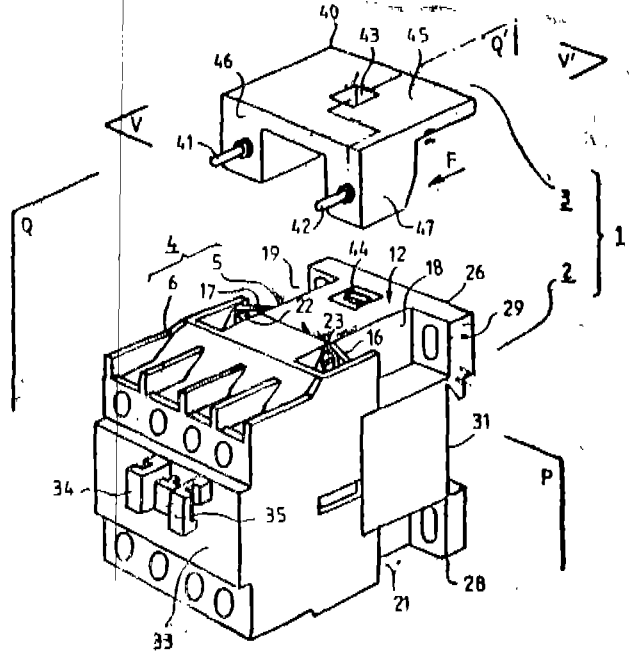
a removable electric protection module having a case which cooperates with the housing, said electric module containing resistor and capacitor components for protecting said coil against voltage surges ; and

two electric connection pieces which respectively connect said protection module to terminals of the coil wherein, said housinng has first and second cavities opening on the upper face and on said two respective side walls and the coil terminals are located in the vicinity of said cavities and facing said cavities from which they are accessible;

said case has a flat portion and first and second projecting portions said first and second projecting portions being respectively receivable in the first and second cavities and said flat portion being receivable on a flat surface portion of said upper face and having means for securing said flat portion to said flat surface, the first and second projecting portions contain said resistor and capacitor components, and conducting pieces are fixed within and pass through said flat portion in a same plane and are connected to said components; and

said electric connection pieces comprise pins disposed parallel to said conducting pieces and outwardly projecting from said projecting portions for resiliently engaging said coil terminals.

FIG.1



Compl., Specn. 14 Pages Drgns. 3 sheets

Ind. Cl. : 48A (4) 206 E. 15608

Int. Cl.[4] : H 01 L, 49/00.

SINLE SEMI CONDUCTOR CHIP FOR PERFORMING BOTH DIGITAL AND ANALOG FUNCTIONS.

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION, A COMPANY ORGANISED AND EXISTING UNDER THE LAW OF THE STATE OF NEW YORK, U. S. A., OF ARMONK, NEW YORK 10504, UNITED STATES OF AMERICA.

Inventors : EDWARD FRANCIS CULICAN, JOHN DONALD DAVIS, JOHN FARLEY EWEN, SCOTT ALLAN MCCABE, JOSEPH MICHAEL MOSLEY ALLAN LESLIE MULLGRAVE, PHILIP FRANKIE NOTO.

Application for Patent No. 558/Del/89 filed on 27 Jun 1989.

Convention date : 21-3-1989/8906479.4/U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

A single semiconductor chip (1) for performing both digital and analog functions, comprising :

a gate arrey (3) composed of cells with digital logic elements therein disposed on said single chip, with each of said cells having a power supply line (23);

a mainpower bus (21) connected to said cells of the gate array for proving electrical power to the power supply lines of them except a plurality of selected cells;

means (8) connecting the logic elements in said plurality of selected cells to form at least one oscillating circuit which is oscillating at a frequency to produce a frequency signal through its output circuit;

a generator for generating a reference frequency signal;

a comparator (11) connected to said output circuit of the oscillating circuit and said generator for comparing said frequency signal and said reference frequency signal to generate a control signal indicative of the frequency difference between these signals; and

means connected between said comparator (11) and said cells forming said oscillating circuit, for providing said control signal to the power supply lines of said cells to provide a controlled amount of power thereto in order to control the frequency of oscillation of said oscillating circuit.

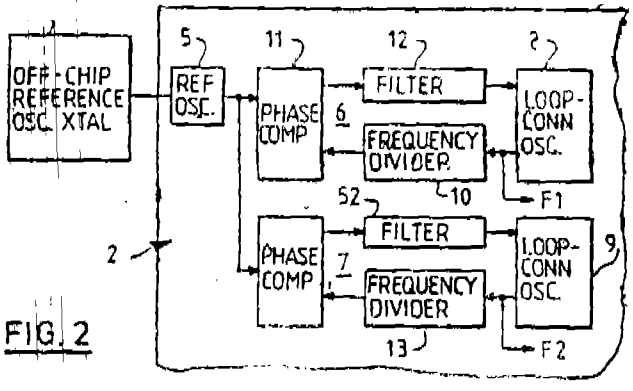


FIG. 2

(Compl. specn. 9 pages. Drgns. 2 sheets)

Ind. Cl. : 32 B, 56 G. 15609

Int. Cl.[4] : C 10 G 35/04.

A PROCESS FOR REFORMING OF PYROLYSIS NEPTHA.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s) : KATIKANENI SAI PRASAD RAO, SUBRAMANIAN SIVASANKER.

Application for Patent No. 958/Del/89 filed on 19-10-89.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

A process for reforming of pyrolysis naptha which comprises contacting the said naptha in admixture with hyrogen at a temperature above 400°C, perssure above 3 bars and liquid hourly space velocity below 5 with a Catalyst composite material consisting of mixtures of alumina and a crystalline metallosilicate of general composition in terms of mole ratio in anhydrous form, as follows : O below 0.4 × : M_2O_2 : 30—300 SiO_2 where M can be iron, lanthanum or mixtures thereof, x is selected from the oxides of sodium, hydrogen, platinum, iridium, rhenium or mixtures thereof and recovering the aromatic hydrocarbons from the product of the said conversion process by fractional distillation.

(Compl. specn. 17 pages Drg. Nil

Ind. Cl. : 55 (E4) 175610

Int. Cl.[4] : A 61 K, 35/78.

A PROCESS FOR THE ISOLATION OF ANTI CANCER COMPOUND (CROTEPOXIDE) FROM THE BERRIES OF PIPER ATTENUATUM.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors : MANGATTU ACHUTHANKUNJU SUMATHYKUTTY JANASWAMY MADHUSUDANA RAO.

Application for Patent No. 1178/Del/90 filed on 27 Nov. 1990.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

3 Claims

A process for the isolation of anticancer compound (crotepoxide) from the berries of Piper attenuatum which comprises extracting the dry, powdered berries with petroleum ether in a soxhlet apparatus at a temperature in the range of 60 to 80°C, distilling off the said solvent and isolating and purifying active crude component by column chromatography over silica gel and recrystallization using a mixture of ethyl acetate and hexane in the ratio of 9 : 1.

(Compl. specn. 4 pages. Drgn. Nil sheet)

Ind. Cl. : 32 F_2 C 175611

Int. Cl.[4] : C 07 C, 91/00.

A PROCESS FOR PREPARING A CATIONIC POLYELECTROLYTE CONTAINING A QUATERNARY NITROGEN ATOM USEFUL AS A FLOCCULANT FOR CLARIFICATION OF EFFLUENT WATER GENERATED IN OIL FIELDS

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110 005, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

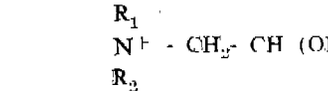
Inventors : DULESWAR MAHANTA, AZIZUR RAHMAN, BANI PRASAD CHALIHA & JOGENDR NATH BARUAH.

Application for Patent No. 958/Del/88 filed on 7 Nov 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi 110 005.

8 Claims

A process for preparing a cationic polyelectrolyte containing a quaternary nitrogen atom useful as a flocculant for clarification of effluent water generated in oil fields having the general formula :



wherein R_1 represents an alkyl group having 1 to 4 carbon atom R_2 represents an aliphatic hydrocarbon group having 1 to 4 carbon atoms, X represents a chlorine or bromine atom and n represents an integer which comprises reacting a primary or secondary alkyl amine having two alkyl groups attached to the Nitrogen atoms, with a 2-epoxy 1-halopropane at a temperature in the range of 10± 5°C and at alkaline pH initialily under stirring for 2 hours, thereafter raising the temperature to 50±5°C passing N gas to create inert atmosphere and finally raising the temperature to 100± 5°C.

(Compl. specn. 19 pages, Dign. Nil sheet)

Ind. Cl. : 195 (B+D) 175612

Int. Cl.[4] : F 16 K, 5/00.

A SELF CLOSING SOCKET.

Applicant : SULTAN SINGH JAIN, B-36, SHANTINAGAR, ROORKEE DISTRICT SAHARANPUR, UTTAR PRADESH, INDIA.

Inventor : SULTAN SINGH JAIN

Application for Patent No. 203/Del/89 filed on 6 Mar 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972 Patent Office Branch, New Delhi-110 005.

(CLAIMS 1)

A self closing socket characterised by a conical vent (2) fitted with a conical-valve (1) held vertically for connecting a water supply pipe and a tap (9) the said tap (9) having limited upward movement by a pin fitted at the inlet of said socket keeping the conical valve (1) unseated for flow of water through it but on removing the tap (9), the said conical valve (1) moves down due to its own weight and water pressure from the water supply pipe thereby making itself seated on the said conical vent (2) resulting to close the water flowing through it.

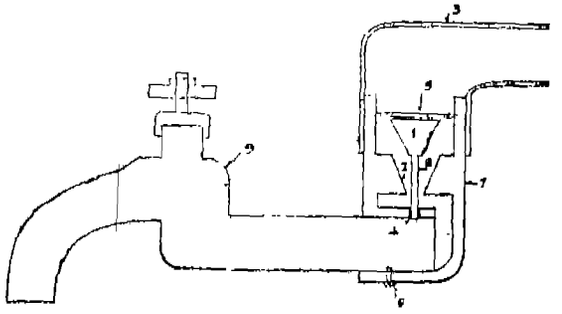


FIG. 2

(Complete Specification 4 pages, Drawing sheet one)

Ind. Cl. : 32 D 175613

Int. Cl.[4] : C 07 F, 7/28

"A PROCESS FOR THE PREPARATION OF SUBSTITUTED ALKYL PHOSPHOTO-TITANATE".

Applicant & Inventors : SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH, AND INDIAN INSTITUTE OF 19, UNIVERSITY ROAD, DELHI-110 007, INDIA, REGISTERED UNDER SOCIETIES ACT.

MOHAMMAD QAMAR PARWAZ, RAKESH KUMAR SINGH, KRISHNA KUMAR JAIN AND JITENDRA VEER TYAGI, ALL INDIAN NATIONALS.

Application for Patent No. 998/Del/89 filed on 1-11-89.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972 Patent Office Branch, New Delhi-110 005.

(CLAIMS 7)

A process for the preparation of substituted alkyl phosphoto-titanate which comprises in dissolving tetra n-butyl titanate in benzene at a temperature of 40 to 70°C, adding dropwise bis-2-ethylhexyl in said reaction mix under continuous stirring, subjecting said reaction mix to the first and second steps refluxing in the nitrogen atmosphere as herein described, the reaction product so obtained being subjected to the step of fraction distillation to remove unreacted phosphate and distilling residue to obtain substituted alkyl phosphate-titanate.

(Complete Specification 7 pages)

Ind. Cl. : 206 A 175614

Int. Cl.[4] : H 01 Q 1/00

"AN ANTENNA FOR TELE COMMUNICATION SYSTEM".

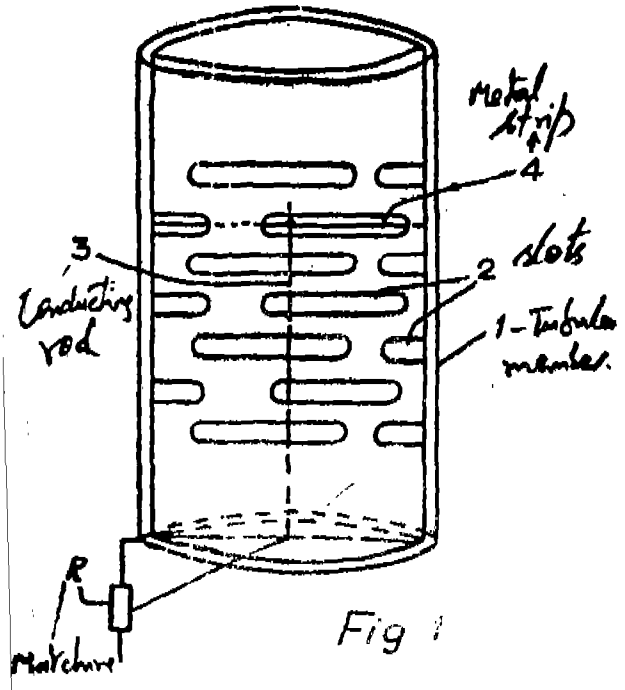
Applicant & Inventor : VIDYARDHI NANDURI OF 16/8, East Patel Nagar, New Delhi-110008, India, an Indian National.

Application for Patent No. 1128/Del/1989 filed on 29-11-1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

(CLAIMS 7)

An antenna for tele communication system comprising metallic slotted tubular member (1), a plurality of slots (2) sets being provided at the circumference of said member (1) in a st ered relationship to the adjacent set of slots, 2) said se ') of said sets being provided in a spaced relationship ach other, a control rod (3) having a matching esistance (R) to that of the tubular member (1) disposed coaxially within said elongate member.(1)



(Complete Specification 10 pages Drg. 1 sheet)

Ind. Cl. : 32F 2b. 175615

Int. Cl.[4] : C07D, 243/00.

PROCESS FOR THE PREPARATION OF THIENO-TRAIZOLO-DIAZEPINE DERIVATIVES.

Applicant : SOCIETE DE CONSEILS DE RECHERCHES ET D' APPLICATIONS SCIENTIFIQUES (S. C. R. A. S.) A FRENCH COMPANY, OF 51/53 RUE DU DOCTEUR BALANCHE, 75016 PARIS, FRANCE.

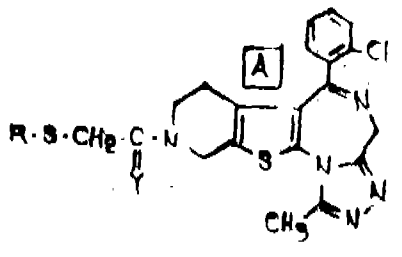
Inventors : M. BRAQUET PIERRE, M. ESANE, M. ESANU ANDRE, M. LAURENT JEAN-PIERRE, M. POMMIER JACQUES.

Application for Patent No. 420/Del/90 filed on 3 May 1990.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972 Patent Office Branch, New Delhi-110 005.

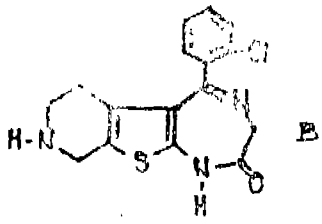
(CLAIMS 3)

Process for the preparation of the thieno-triazolo-diazolo-diazepine derivatives of the formula A of the drawings.

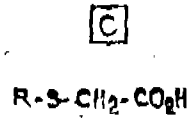


Wherein Y represents an oxygen on sulphur atom nad R represents a strainght chain or branched chain alkyl group having from 1 to 20 carbon atoms; a phenyl group, unsubstituted or substituted by a strainght chain or branched chani alkyl group having 1 to 5 carbon atoms, an alkoxy group having from 1 to 5 cabon atoms, a halogen atom, trifluoromethyl group or an optionally substituted phenoxy group; or a furan or thiophene ring.

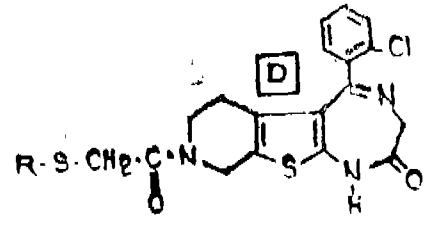
Consisting in reacting the thieno-triazolo-diazepine compound of the formula B of the drawings



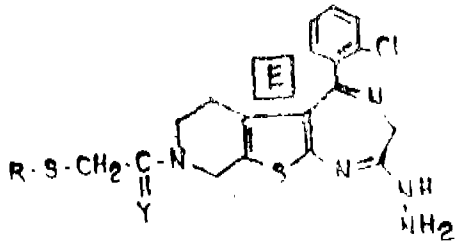
with a stoichiometric amount of RSCH COOH derivative of the formula C of the drawings,



wherein R is as above defined, in an aprotic solvent, in the presence of a slight stoichiometric excess of dicycolohexyl-carbodimide at a temperature of from 0 to 60°C to obtain a compound of formula D of the drawings.



then reacting the resulting compound of the formula D of the drawings wherein R is as above defined, with three to five sloichiome ric equivalants of hydraz n hydrate in a protic solvent at a temperature of from room temperature to 50°C to obtain a compound of formula E of the drawings.



and finally cyclyzing in a protic solvent, and thus obtained compound of the formula E of the drawings with a one to three stoichiometric equivalents of triortho-acetate at a temperature of from room temperature to reflux temperature of the reacting mixture to obtain the thieno-trizolo-diaiephine derivative of the general formula A wherein Y is an orygen atom.

(Complete Specification - 30 pages & drawing Sheets -2)

Ind. Cl. 32 F_3(b). 175616

Int. Cl.[4] : C01B, 31/24.

AN IMPROVED PROCESS FOR THE PREPARATION OF BROMODIETHY CARBONATE.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT 1860)

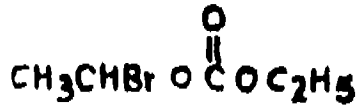
Inventors : DEVI PRASAD SAHU, SUNIL KRISHNA CHATERJEE.

Application for Patent No. 884/Del/90 filed on 5-9-1990.

Appro priate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

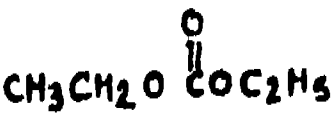
(CLAIMS 6)

An improved process for preparation of α-bromodiethyl carbonate of formula II shown in the drawing accompanying this specification.



II

which comprises brominating diethyl carbonate of the formula I



I

with bromine separating the α-bromodiethyl carbonate by distilling the resultant mixture and if desired, recycling the unreacted diethyl carbonate characterised in that the bromination is carried out in vapour phase under ultra violet irradiation.

(Complete Specificaion - 6 pages & Drawing Sheets 1)

Ind. Cl. : 32F2b 175617

Int. Cl.[4] : A 61 K, 31/44.

AN IMPROVED PROCESS FOR PREPARATION OF 1-ETHOXY OR 1-CYAND-5-SUBSTITUTED-11-METHYL-10-AZA-4, 6, 12-TRIOXATRICYCLO (7, 2, 1, 02, 8) DODEC-10-ENE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

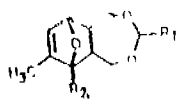
Inventors : ALLA VENKATA RAMA RAO, MUKUND KESHAO GURJAR, THOTA RAMA DEVI & KANAMARLAPUDI CHENCHU VENKATA RAMANAIAH.

Appication for Patent No. 1275/Del/90 filed on 18 December 1990.

Appripriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

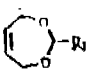
3 Claims

An improved process for the preparation of 1-ethoxy or 1-cyano 5-substituted-11-methyl-10-aza-4, 6, 12-trioxatricyclo (7, 2, 1, 02, 8)-dodec-10-ene having the formula IV shown in the drawing accompanying



IV

this specification where R_1 represents H, alkyl group or $CHMe_2$ and R_2 represents alkoxy particularly ethoxy or CN which comprises reacting 2-substituted 4, 7-dihydro-1, 3-dioxepin of the formula II



II

where R_1 has the meaning given above and 5-alkoxy-4-methyl oxazole of the forfula III

III

where R_2 has ne meaning given above by a microwave irradiation in a sealed tube at a temperature 120°C to avoid structural decomposition of oxazole derivative for a period of 20 minutes and distilling off the excess dioxepin.

(Compl Specn. 8 pages Drg. 1 sheet)

Ind. Cl. : 32 E 175618

Int. Cl. : C 07 J, 41/00.

A PROCESS FOR THE PREPARATION OF NOVEL N, N'-bis 2(TESTOSTERONE-3-IMINOXY) ACETYL DERIVATIVES OF ALIPHATIC DIAMINES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

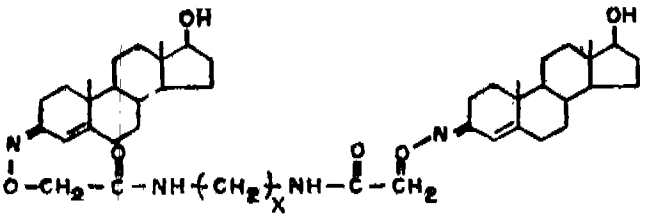
Inventors : ESAHAK ALI, JUDHAJIT SENGUPTA & TARUN KUMAR DHAR.

Application for Patent No. 1326/Del/90 filed on 26th December 1990.

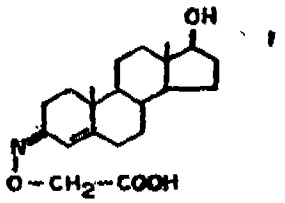
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

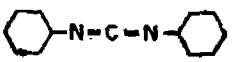
A process for the preparation of novel N, N'-bis (testosterone-3-iminoxy) acetyl derivatives of aliphatic diamines of the formula IV shown in the drawing accompanying.



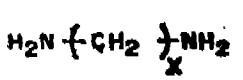
this specification which comprises forming a mixture of testosterone-3-(O-carboxymethyl) oxime of the formula I



and dicyclohexylcarbodiimide of the formula III



stirring the mixture vigorously to remove turbidity, adding to the mixture a diamino compound of the formula II



where x = 2 to 6 in the presence of a dry solvent at ambient temperature, removing the area formed by filtration, chromatographying on silica gel to obtain N, N'-bis 2(testosterone-3-iminoxy) acetyl derivaties of aliphatic diamines and crystallizing it from an organic solvent and drying under reduced pressure.

(Compl. specn. 14 pages Drg. 1 sheet)

Ind. Cl. : 32 C 175619

A PROCESS FOR THE PREPARATION ON NOVEL N-17 OLANDROSTEN 4-(3 THIAPROPIONYL) N-2 (TESTOSTERONE-3-IMINOXY) ACETYL DERIVATIVES OF ALIPHATIC DIAMINES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

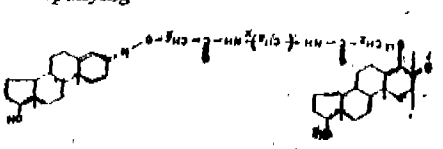
Inventors : ESAHAK ALI, JUDHAJIT SENGUPTA, TARUN KUMAR DHAR.

Application for Patent No. 1327/Del/90 filed on 26th December 1990.

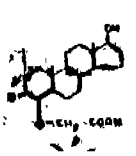
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

9 Claims

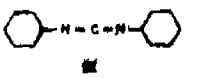
A process for the preparation of a novel N-17β ol androsten 4-(3 thiapropionyl) N-2 (testosterone-3-iminoxy) acetyl derivatives of aliphatic diamines of the formula VI of the drawing accompanying



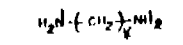
this specification which comprises forming a mixture of testosterone-3-O-carboxymethyl oxime of the formula I



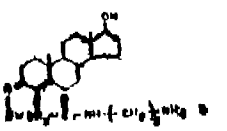
and dicyclohexylardiimide of the formula III



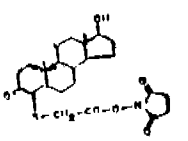
stirring the mixture to remove turbidity, adding a diamino compound having 2-6 carbone in between the amino groups of the formula II



where x represents 2-6, in the presence of a dry organic solvent, such as herein described, removing the urea derivative formed by filtration, chromatographying with neutral alumina to get N-2(testosterone-3-iminoxy) acetyl derivatives of aliphatic diamines, of the formua IV



stirring the diamine of formula IV with activated ester of 4-(carboxymethylmercapto) testosterone of the formula V



in alkaline aqueous organic solvent, for a period of 2 hrs at a temperature in range of 20 to 25°C concentrating the solvent under reduced pressure, taking the chloroform saluble part and chromagraphying with silica gel gives the N-17 B old and rosten-4-(3-thiapropionyl) N-testosterone-3-iminoxy) ecetyl derivatives of alipmatic diamines, and crystallizing it from an organic solvent and drying under reduced pressure.

(Comp Specn. 16 Pages, Drg. Sheet One)

175620.

Ind. Cl. : 80 H+140 B3

Int. Cl.[4] : C 02 F, 1/46, C 09 K, 3/32, E 02 B, 15/04.

A PROCESS FOR SEPARATING OIL FROM EFFLUENT WATER GENERATED IN OIL FIELDS USING A NOVEL CATIONIC POLYELECTROLYTE CONTAINING A QUATERNARY NITROGEN ATOM.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor : DULESWAR MAHANTA, AZIZUR RAHMAN, BANI PRASAD CHALIHA & JOGENDRA NATH BARUAH.

Application for Patent No. : 65/Del/91 filed on 23 Jan 1991.

Divisional To : 958/Del/88 filed on 7-11-1988.

Appropriate office for opposition proceeding (Rule 4, Patents Rules, 1972) Patent office Branch, New Delhi-110 005.

(Claims 3)

A process for separating oil from effluent water generated in oil fields using a novel cationic polyalectrolyte containing a quaternary nitrogen atom, which comprises mixing

thoroughly the effluent water generated in oil fields with 5-20 ppm of a cationic polyelectrolyte prepared by the process claimed in patent application No. 958/Del/88 for 1-15 minutes under stirring, allowing to stand for a period of 15-60 min. to flost the oilphase separating the said clear oil phase from the water by known methods.

(Compl. Specn. 18 Pages, Drg. Sheet One).

RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of patent No. 172246 dated the 10-5-1989 made by Ram Jiban Bhattacharya on the 28-12-1994 and notified in the Gazette of India Part III, Section 2, dated the 18-2-1995 has been allowed and the said patent restored.

NOTIFICATION

In pursuance of leave granted under Section 20 (1) of the Patent Act 1970 application No. 874/Del/86 (168136) of Kolimorgan Technodogics Corporation has been allowed to proceed in the name of Kolimorgen Corporation, a New York Corporation, United States America.

AMENDMENT OF PATENT NO. 173310 UNDER SECTION 44 OF THE PATENTS ACT 1970

In purguance of an application Under Section 44 of the Patents 1970, Patent No. 173310 has been amended by substituting the name of Dr. S N. Sur of A 1/5 Uttarayan Housing Estate, 102 B.T. Road, Calcutta-700035, India and National Organic Chemical Industries Limited of Mafatlal Centre, Nariman Point, Post Box 11613, Bombay 400021, India, for the name of grantee.

PATENT SEALED ON 16-6-95

172420*F 174016*F 174415 174417*D 174446 174450 174464 174466 174468 174469* 174471 174472 174473 174474 174475 174476 174477* 174478 174479 174480 174481* 174484 174485 174487 174488 174489* 174490*

Cal-8, Del-19, Bom-Nil & Mas-Nil

*Patent shall be deemed to be endorsed with the words Licence of Right under Section 87 of the Patents Act 1970 from the date of expiration of three year from the date of sealing.

D—Drug Patent. F—Food Jatent

RENEWAL FEES PAID

155198 155436 155799 156438 156918 157341 158103 158265 158409 158451 158452 158453 158640 158723 159224 159226 159268 159512 159603 159640 159805 160431 161048 161862 162168 162347 162409 162428 162835 163029 163048 163283 163565 163599 163856 164121 164129 164136 164143 164153 164492 164684 164822 164994 165026 165082 165250 165569 165570 165889 166529 166542 166573 166673 166693 166863 166937 167045 167076 167088 167141 167356 167819 168246 168519 168552 168664 168898 168966 169168 169204 169209 169210 169214 169215 169217 169300 169301 169402 169630 169835 170058 170088 170188 170313 170314 170412 170537 170555 170557 170564 170577 170661 170853 170929 171030 170935 172074 172183 172190 172207 172350 172520 173953 173022 173064 173666.

CESSATION OF PATENTS

170986 170992 170993 171001 171002 171054 171056 171075 171079 171094 171137 171139 171158 171201 171207 171262 171318.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 1. No. 167159, The Jay Engineering Works Ltd., 23 Kasturba Gandhi Marg, New Delhi-110001, India, "SEWING MACHINE", 6th April 1994.

Class 1. No. 167922, Ramson Industries, 111-D, Govt. Ind. Estate, Charkop, Kandivali (W), Bombay 67, Maharashtra, India, an Indian partnership' "SPOON", 19th August 1994.

Class 1. No. 168070, Sursita Computer Systems, 200 Gautam Nagar, New Delhi 49, India, "FLOPPY LOCK" 12th September 1994.

Class 1. No. 167751, Konark Industriu, a registered partnership firm, at No. 22, Banashankri II Stage, Industrial Lay-out, Bangalore 500070, Karnataka, India "REVOLUTION COUNTER", 8th July 1994.

Class 1. No. 167300, Dharam Singh, of Shyam nagar, Patila Road, Rajpure, 140401, Punjab, India, "DOOR CLOSER", 28th April 1994.

Class 1. No. 167315, Saifuddin Brothers, an Indian partner ship firm, carrying on business at Saboo Siddik Road, Municipal new Chawl No. 1, Pff Palton Road, Bombay 400001, Maharashtra, India, "FILE CLIP", 2nd May 1994.

Class 3. No. 167436, Abdul Aziz, Indian national proprietor of and trading as M/s. Multi Products (India) carrying on business a 1/11C, Muzzafarbad Hall, Proctor Road, Grant Road East, Bombay 400007, Maharashtra, India, "BOX FOR ELECTRICAL FITTINGS", 6th May 1994.

Class 3. No. 167372, Anand International of 23 Piramal Industrial Estate No. 4, Goregaon (W). Bombay-400062, Maharashtra, India, Indian partnership firm, "BALL PEN", 4th May 1994.

Class 3. No. 166802, Ashok Ratnashi Shah, of Renold Industries, A 115, Ghatkopar Industrial Estate, L. B. Shastri Marg, Ghatkopar (W), Bombay 400086, Maharashtra, India, "CONTAINER" 8th February 1994.

Class 3. No. 167805, Vam Organic Chemicals Ltd., an Indian company of Consumer Marketing Division, Hemkunt Chambers, 3rd floor, 89 Nehru Place, New Delhi 110019, India, "CONTAINER", 20th July 1994.

Class 3. No. 166900, Jalaram Plastic Industries, 10, Deven Ind. Estate, T.B. Patel Road, Goregaon (E), Bombay 400063, Maharashtra, India, proprietory concern, "MIXER JAR LID", 28th February 1994.

Class 3. No. 167122, Dilip Shantaram Dahanukar, an Indian citizen, Industrial Assurance Building, Churchgate, Bombay 20, Maharashtra, India, "BOTTLE", 28th March 1994.

Class 3. No. 167138, Dr. Chandan Mukherjee, C/o. Kay Kay Enterprise 2nd floor, 33, C.R. Avenue, Calcutta 12, West Bengal, India, "ELECTRONIC STETHOSCOPE", 31st March 1994.

Class 3. No. 166893, Dynam Plastics, an Indian partnership firm carrying on business at 15, Unique house, 28, S.A. Brelvi Road, Fort, Bombay 400001, Maharashtra, India, "SPOUT", 28th February 1994.

Class 3. No. 167104, Swiss Health Foods Pvt. Ltd., Baroda Padra Highway Road, Near Ceramics Nagar, Padra 391440, Maharashtra, India, "BOX", 28th March 1994.

Class 3. No. 167795, Pertech Plasto Moulding Pvt. Ltd., GG 11/66 B. Vikas Puri, New Delhi 18, India, an Indian company' "CAP", 18th July 1994.

Class 3. No. 167797, Precision Engineering enterprises, 456/9. Chander Quarters, Ram Pura, Delhi 35, India, a proprietorship firm, "TOY", 18th July 1994.

Class 3. No. 167603, Angel Packaging Pvt. Ltd., at Plot No. 415, G I D C Engineering Estate, Sector 28, Gandhinagar 28, Gujarat State, India, "JERRY CAN", 7th June 1994.

Class 3. No. 166859, Director General, National Information Centre, Govt. of India., A Block, C.G.O. Complex, Lodi Road, New Delhi 110003, India, "KEY PAD FOR COMPUTER", 18th February 1994.

Class 3. No. 167701, Revlon Consumer Products Corporation, 625 Madison Avenue, New York, NY 10022, a corporation organised under the laws of the State of Delaware, U.S.A., "CONTAINER", 24th June 1994.

Class 3. No. 167516, Galaxy Pharmaceuticals 13-329 Vedurla Bazar, Proddatur, Pin 516360, A.P., India, an Indian partnership firm, "PLASTIC CONTAINER", 16th May 1994.

Class 3. No. 167220, Pidilite Industries Limited, at Regent Chambers, 7th floor, Jamnalal Bajaj Marg, Nariman Point, Bombay 400021, Maharashtra, India, "BOTTLE", 22nd April 1994.

Class 3. No. 166881, Tide Water Oil Co, (India) Ltd., of 3rd floor, Kamani Chambers, 32 R Kamani Marg, Ballard Estate, Bombay 38, Maharashtra, India, "A BOTTLE", 25th February 1994.

Class 3. No. 166785, Siddhartha Barthakur of M. G. Road, Uzanbazar, Guwahati 781001, Assam, India, "TOY LIFT", 3rd February 1994.

Class 4. No. 168067, Shingar Cosmetics Pvt. Ltd., at Ammpali Shopping Centre, V. Mehta Road, Juhu Scheme, Bombay 49, Maharashtra, India, "BOTTLE", 9th September 1994.

Class 4. No. 167727, Chakiath Kuruvilla Gearge, Chakiath house, Jayakeralam Road, Kuthukazhi P.P. Kothamangalam 686691, Kerala, India, Indian citizen, "SMOKE HOUSES FOR RUBBER SHEETS", 1st July 1994.

Class 5. No. 166742, Karupakula Narayana Visweswara Prasad and Karupakula Visweswara Savithri, both subjects of Indian Republic, Jointly trading as SURYA FRAGRANCES at No. 22, 3rd Cross, bannerghatta Road Cross, Gurappanapalya, Bangalore 560029, Karnataka, India, "CARDBOARD TUBE", 24th January 1994.

Class 8. No. 167774, Oriental trading company, Maryadpatti, Bhadohi 221401, U.P., India, an Indian partnership concern, "CARPET", 14th July 1994.

Class 13. No. 167090, Karnavati Synthetics Ltd. Plot No. 103, Phase I, G.I.D.C. Estate, Vatva, Ahmedabad 382442, Gujarat, India, "TEXTILE FABRICS", 24th March 1994.

R. A. ACHARYA
Controller General of Patents Designs & Trade Marks

प्रबन्धक, भारत सरकार मुद्रणालय, फरीदाबाद द्वारा मुद्रित
एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1995
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